

REVISED PROPOSALS FOR STABILIZATION OF THE
NAMES OF CERTAIN GENERA AND SPECIES OF
HOLOTHURIOIDEA. Z.N.(S.)1782.

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Following criticisms of our earlier extended proposal (Z.N.(S.)1782 of 1967) by Lemche, 1967, and the fact that stability of some of the included names was achieved by designations of type species, while the likelihood of some others making trouble in the future is acknowledged to be remote, we can now make a much restricted submission. This also omits the problem of *Thyonidium* and *Duasmodyctyla*, which proved to involve even more complication of interpretation than we once thought.

(1) *Sporadipus* Brandt, 1835, p. 46

2. This included two nominal subgenera, *Colpochirota*, p.46, and *Acolpos*, p. 46, each with a single species, respectively *ualanensis* Brandt, p. 46 and *maculatus* Brandt, p. 46. *Sporadipus* has been considered a synonym of *Holothuria* since Selenka so referred to it in 1867, p. 339. Only two subsequent uses of *Sporadipus* are significant, as detailed in our earlier proposal (1967, p. 98) by Semper, 1868, p. 81, and Panning, 1934, p. 65; 1935, p. 85, for groups of species within the genus *Holothuria*. Our action then in designating *S. ualanensis* Brandt as type species of *Sporadipus* effectively reduced both *Sporadipus* and *Colpochirota* to synonyms of *Bohadschia* Jaeger, 1833, p. 18.

3. *Acolpos*, with type species by monotypy *S. (Acolpos) maculata* Brandt, however, remains available. In 1867, p. 339, Selenka, as first taxonomic reviser, regarded *maculatus* as congeneric with *Holothuria (Microthele) maculata* Brandt, 1835, p. 46, and so a secondary homonym; accordingly he proposed the replacement name (p. 339) *H. brandtii* for *Sporadipus maculatus*. In 1868 Semper referred both *maculatus* and *brandtii* to the synonymy of *Holothuria* (now *Bohadschia*) *marmorata* Jaeger, 1833, p. 18, but Ludwig, 1881, p. 595, found from a re-examination of Brandt's type material that *maculatus* is conspecific with *H. arenicola* Semper, 1868. It is unthinkable that the very well-known name *H. arenicola* should be replaced by *maculatus*, around which so much confusion has reigned, or the long-disused *brandtii*. Simultaneously, we would like to see *Acolpos* suppressed since it has priority over *Thymiosycia* Pearson, 1914, p. 171, type species (by original designation) *Holothuria impatiens* Forskaal, 1775, p. 121, which is closely related to and certainly consubgeneric with *H. arenicola* Semper. (Further

ramifications of this problem are given in Clark & Rowe, 1967, p. 99.)

(2) *Trepang* Jaeger, 1833, p. 24

4. As we explained in 1967, p. 100, H.L. Clark, 1921, p. 184, justifiably designated *Holothuria edulis* Lesson, 1830, p. 125, as type species of *Trepang* Jaeger, 1833. Since *H. edulis* is currently accepted as consubgeneric with *Holothuria* (*Halodeima*) *atra* Jaeger, 1833, p. 22, the type species of *Halodeima* Pearson, 1914 (by original designation) (regarded as of generic rank by Cherbonnier, e.g. in 1951, p. 399), the name *Trepang* could pose a threat to *Halodeima*. Accordingly, we request the Commission to exert its plenary powers to suppress it.

In the last fifty years, the name *Halodeima* has been used, at the generic or subgeneric level, by the following:

Heding, 1940, p. 120	Panning, 1944, p. 61
Cherbonnier, 1951a, p. 399	Chang & Wu, 1963, p. 65
Rowe, 1969, p. 137	Clark & Rowe, 1971, p. 198
Liao, 1975, p. 210	Gibbs, Clark & Clark, 1976, p. 138
Rowe & Doty, 1977, p. 230	Pawson, 1978, p. 26

(3) *Stichopus* (*Gymnochirot*a) Brandt, 1835, p. 51

5. The subgenus *Gymnochirot*a included two nominal species, *cinerascens* Brandt, p. 51 and *leucospilota* Brandt, p. 51. *S. leucospilota* was designated as type species of *Mertensiothuria* Deichmann, 1958, p. 296, subsequently treated as a subgenus of *Holothuria* by Rowe, 1969, p. 148, and Clark & Rowe, 1971, p. 199, and the specific name was placed on the Official List of Specific Names in 1966 (Opinion 762). *S. (Gymnochirot*a) *cinerascens* was designated by Clark & Rowe, 1967, p. 101, as type species of *Gymnochirot*a and said to be consubgeneric with *Holothuria languens* Selenka, 1867, p. 335, the type species (by original designation) of the subgenus *Holothuria* (*Semperothuria*) Deichmann, 1958, p. 302. Since Brandt's name *Gymnochirot*a appears to have remained in obscurity since 1835 and the genus-group name *Semperothuria* has gained wide notice from the comprehensive revisions of *Holothuria* sensu lato by Deichmann, 1958 and Rowe, 1969, we repeat the request made in 1967 for the Commission to suppress the name *Gymnochirot*a under the plenary powers.

In the last 23 years the name *Semperothuria* has been used, at the generic or subgeneric level, by the following:

Deichman, 1958, p. 302	Deichmann, 1963, p. 109
Tikasingh, 1963, p. 91	Rowe, 1969, p. 135
Tommasi, 1969, p. 5	Clark & Rowe, 1971, p. 198

Gibbs, Vevers & Stoddart,
1975, p. 146
Rowe & Doty, 1977, p. 230

Liao, 1975, p. 211
Sloan, Clark & Taylor, 1979,
p. 123

(4) *Oncinolabes* Brandt, 1835, p. 48

6. Of the two species included by Brandt, *fuscescens* Brandt, 1835, p. 48, and *mollis* Brandt, 1835, p. 49, the first (*fuscescens*) has been designated type species of *Oncinolabes* by Clark & Rowe, 1967, p. 103. This action effectively reduces *Oncinolabes* to the synonymy of *Synapta* Eschscholtz, 1829. However, the second species (*mollis*), for which no type material remains extant, has been considered by Ludwig, 1881, p. 577, to be conspecific with *Synapta glabra* Semper, 1868, which is congeneric with *Opheodesoma spectabilis* Fisher, 1907, the type species of *Opheodesoma*. It is desirable that *mollis* be suppressed in order not to invalidate the better-known name *Opheodesoma glabra* (Semper, 1868).

In the last fifty-two years the name *glabra* has been used, in combination with *Opheodesoma* (or *Synapta*) by the following:

Heding, 1928, p. 123	H.L. Clark, 1946, p. 448
Domantay, 1957, p. 450	Domantay, 1969, p. 78
Clark & Rowe, 1971, p. 184	Domantay, 1972, p. 42

(5) *Holothuria (Microthele) aethiops* Brandt, 1835, p. 55

7. According to Ludwig, 1881, p. 597, the type material of this nominal species is lost. Nevertheless, he regards it as conspecific with *Holothuria pulla* Selenka, 1867, p. 326 (referred, e.g. by Rowe, 1969, p. 138, to the subgenus *Halodeima*). The name *pulla* is in current use though threatened if *aethiops* is not suppressed.

In the last fifty years the name *pulla* has been used, in combination with *Holothuria* or *Halodeima*, by the following:

Panning, 1934, p. 34	Domantay, 1936, p. 398
Cherbonnier, 1951b, p. 16	Domantay, 1953, p. 135
Domantay, 1954, p. 347	Domantay, 1957, p. 433
Rowe, 1969, p. 138	Clark & Rowe, 1971, p. 176
Daniel & Halder, 1976, p. 423	Santiago, 1979, p. 94

(6) *Holothuria glaberrima* Risso, 1826, p. 289

8. This was among the names listed in Théel's *Challenger* report, 1886, p. 240, as being "very incompletely known and in need of re-examination". The name is a senior primary homonym of the widely used *Holothuria (Selenkothuria) glaberrima* Selenka, 1867, p. 328, which can only be preserved by use of the plenary powers.

In the last fifty years, the name *glaberrima* has been used for Selenka's species, in combination with *Holothuria* or *Selenkothuria*, by the following:

Deichmann, 1930, p. 69
 Panning, 1934, p. 47
 Deichmann, 1954, p. 391
 Tikasingh, 1963, p. 89
 Rowe, 1969, p. 135

H.L. Clark, 1933, p. 104
 Fontaine, 1953, p. 30
 Deichmann, 1957, p. 12
 Deichmann, 1963, p. 107
 Bakus, 1973, p. 346

The International Commission is therefore requested:

- (1) to use its plenary powers:
 - (a) to suppress for the purposes of the Law of Priority but not for those of the Law of Homonymy the following generic names:
 - (i) *Acolpos* Brandt, 1835 (subgenus of *Sporadipus*);
 - (ii) *Trepang* Jaeger, 1833;
 - (iii) *Gymnochirotia* Brandt, 1835 (subgenus of *Stichopus*);
 and the following specific names:
 - (iv) *brandtii* Selenka, 1867, as published in the binomen *Holothuria brandtii*;
 - (v) *mollis* Brandt, 1835, as published in the binomen *Oncinolabes mollis*;
 - (vi) *aethiops* Brandt, 1835, as published in the binomen *Holothuria aethiops*;
 - (b) to suppress for the purposes of both the Law of Priority and the Law of Homonymy the specific name *glaberrima* Risso, 1826, as published in the binomen *Holothuria glaberrima*.
- (2) to place the names suppressed under the plenary powers in (1) above on the appropriate Official Indexes of Rejected and Invalid Names in Zoology.
- (3) to place on the Official List of Generic Names in Zoology *Stichopus* Brandt, 1835 (p. 50) (gender: masculine), type species, by subsequent designation by H.L. Clark, 1922, *Stichopus chloronotos* Brandt, 1835.
- (4) to place the following specific names on the Official List of Specific Names in Zoology:
 - (i) *chloronotos* Brandt, 1835, as published in the binomen *Stichopus chloronotos* (specific name of type species of *Stichopus* Brandt, 1835);
 - (ii) *glabra* Semper, 1868, as published in the binomen *Synapta glabra*.

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